



Product Description

The OA1 MEMS Optical Attenuator can support up to 16 MEMS based variable attenuators in a single 1U unit. The OA1 low insertion loss and high repeatability provides all the features required for Bit Error Rate Testing (BERT) or link loss simulation. With its high density, the OA1 is the perfect tool for manufacturing applications.

The OA1 MEMS Optical Attenuator offers an attenuation range of 40 dB and is available with single-mode fiber. To provide the flexibility required to adapt to all manufacturing environments, the OA1 is available with connectors on the front panel, or with pigtailed on the front or back panels.

The OA1 remote interface can be controlled via Ethernet or USB.

KEY FEATURES

- 40 dB attenuation range
- Low insertion loss: ≤ 0.8 dB
- Up to 16 attenuators in 1U rackmount unit

APPLICATIONS

- Bit Error Rate Testing (BERT)
- High volume manufacturing
- Channel Equalization

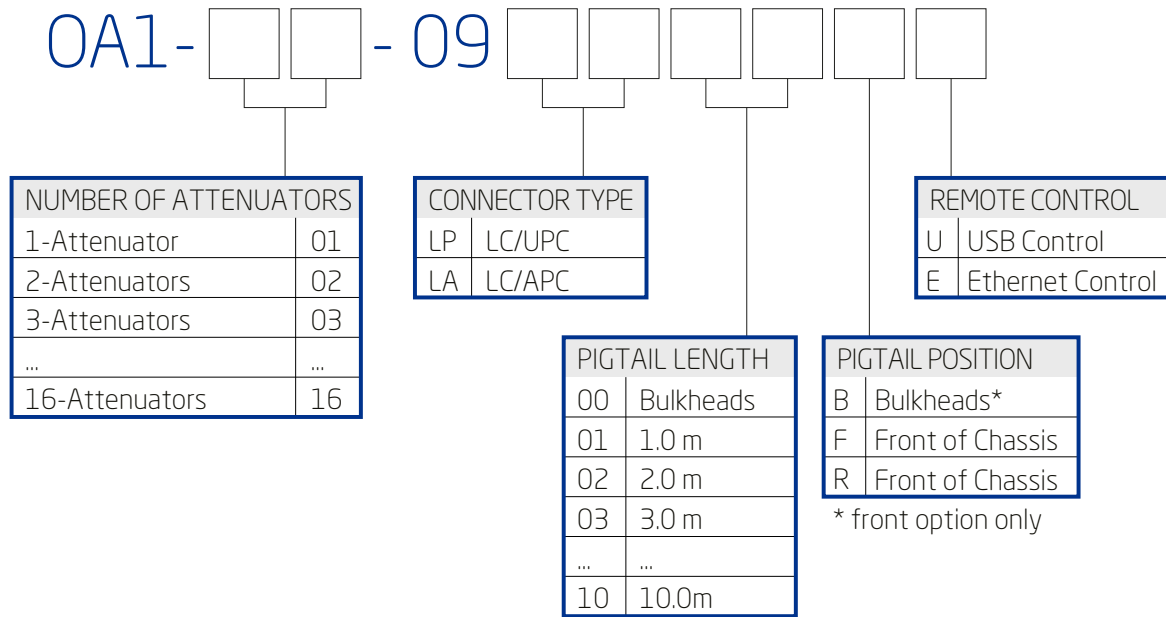
COMPLIANCE

- UL/CSA 61010
- IEC 61010
- FCC Part 15 (Class A)
- EN 61326 (Class A)

IN THE BOX

- OA1 Rackmount Optical Attenuator
- AC power cord
- Test report

Ordering Scheme



Example: OA1-16-09LA00BE

Specifications

OPTICAL / ELECTRICAL SPECIFICATIONS	
Parameter	Specification
	Single-mode
Fiber Type (um)	9/125
Wavelength Range (nm)	1528-1563
Insertion Loss (dB) ¹	<0.8
Backreflection (dB) ¹	<-55
PDL (dB)	<0.20
Repeatability (dB) ²	+/-0.05
Attenuation Range (dB)	40
Maximum Input Power (dBm)	27dBm
Input Voltage	100 - 240 V AC, 50 - 60 Hz
Power Consumption (VA)	80 maximum
Control	USB or Ethernet

Notes:

¹ Excluding connectors.

² 100 cycles

MECHANICAL / ENVIRONMENTAL SPECIFICATIONS	
Parameter	Specification
Unit Dimensions W x H x D (cm)	48.3 x 4.4 x 45.7
Shipping Box Dimensions W x H x D (cm)	53 x 20 x 55
Unit Weight (kg)	5
Total Shipment Weight (kg)	6
Operating Temperature (°C)	0 to 55
Storage Temperature (°C)	-40 to 70
Humidity (Non-condensing)	Maximum 95% RH from 0 to 40

JGR Optics Inc.

160 Michael Cowpland Dr.

Ottawa, Ontario K2M 1P6 CANADA

17 | T 613-599-1000 | F 613-599-1099 | info@jgroptics.com

www.JGROptics.com

